

**29¢**

# **NOTE BOOK**

10943 - 11165

H 525

**75 SHEETS**

NO. 2017  
NO. 2018



6

Shenandoah Co. Va.

May 19 - 68185.9

1200 feet elevation - 350 m.

Shale slopes in wooded  
area - mixed pine - deciduous  
forest - overlooking Shenandoah River

5.5 km se of Woodstock

Middle of Woodslock

68189.4

10943 - *Senecio abrotanifolius*  
rays mostly 8

10944 - *Pentstemon*  
fls rather pale lavender

10945 - "hybrid *Antennaria*"

10946 - *Antennaria neglecta*

10947 - " *plantag.*

v. 595

20 May, 1973. Page Co., Va. elev. 400m  
near Katherine's Furnace, at base  
of Massasauga at base of se side of  
Massawmtten Mt., ca 8 km. SSW of  
Shenandoah. Mixed pine-hardwood  
forest.

10948 - *Plumbago* - Fls.  
lavender; an hairy shale + limestone.

10949 - *Krigia virginica*.  
shale

10950 *Fenestraria antennaria*  
shale lapping onto lime

10951 - *Aronia*, to 3 or even 4 m.  
fls. white. 850m.  
*D. melanocarpa* mixed woods,  
mt. Pine. limestone

21 May 1973 - elev. 2500'

850 m. 6837.4.6

10952 *Polygonatum paniculatum* -  
fl. with pink-purple  
hemlock-hardwood forest  
east slope. W. Va.

10953 - same - wet places -  
between  
Dresden & Cass. - between  
Bachallegany mt. & Greenbrier River

10953 - same - wet places -  
*Anemone lancifolia* -  
fls. 5, white

10954 21 May 1973 Elevation 2450'  
68417.2

Moist low ground along  
small stream in hemlock  
hardwood forest on shale  
substrate. W. Va. Pocahontas Co.  
Elev. 2400 feet - 700 m.  
*Phlox stolonifera* <sup>fls. pink</sup>  
<sup>purple</sup>

4

La 8 miles SW of Humpbackville

419.0 at Park Boundary

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22 May, 1973 - Bath Co., Va.

Shaleborders with pine &

Mixed hardwood just east

of Millers Spring.

1600 feet = 500 meters

10955 - *Hieracium trailii*

536.5

10956 - *Senecio antenoriifolius*  
var 8.

10957 - *Draba romana*  
fls white

10958 Elevation 1600

mileage 68538.3

1½ km. SSW of Milboro  
Spp. elev. 500 m.

*Clematis viticella* Steele

Fls. ± blue toward the  
base, achlorous distally,  
± mudding.

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23 May, 1972.

300 m. Shallow basin  
pasture mixed pines -  
hardwood

10959 - generic det.

688.0 speeds. Shenandoah  
County

Junction  
Highway 55 - 93.1

(Shallow S.W. of Elizabeth Furnace  
- 98.3 at Strasburg)

## anthocyanin biosynthesis

Flav. synth leads by a series  
of steps to chalcones -  
then branching 3 directions  
only last one or  
possibly 2 steps in  
the production of  
anthocyanin appear to be  
missing?

If it is flavonols  
that occur with betalains,  
then only one step is missing  
from the anthocyanins.

10943 - 19 May, 1973

Shenandoah County, Va.

Shale barren overlooking North Fork of Shenandoah River, 5.5 km southeast of Woodstock. Mixed pine-deciduous forest. Elev. 350 m. Heads yellow. Rays mostly 8.

*Senecio obovatus* Muhl. ✓

*Senecio obovatus* (2)

10944 - 19 May, 1973.  
Same place as 10943, Flowers  
rather pale lavender

*Penstemon canescens* (Britt.) Britt.

✓

*Penstemon* (2) ✓

10945 - 19 May, 1973. Same  
place as 10944. A very few  
plants growing with many  
plants of #10946, *A. neglecta*  
var. *argillicola*  
and 10947, *A. plantaginifolia*  
var. *plantaginifolia*.  
~~and possibly intermediate~~  
~~between them~~

Antennaria: possible hybrid of  
*A. plantaginifolia* var. *plantaginifolia*  
and *A. neglecta* var. *argillicola*.

Antennaria ①

10946 - 19 May, 1973.  
Same place as 10943.  
Growing with # 10947,  
*A. plantaginifolia*, and  
10945, a possible *intermedia* te.

*Antennaria neglecta* Greene  
var. *argillicola* (Stebbins) Cronq.

*Antennaria neglecta*. ③

10947 - 19 May, 1973.

Same place as 10943.

Growing with # 10946,  
*A. neglecta* var. *argillicola*,  
and 10945,  
a possible intermediate.

*Antennaria plantaginifolia* (L.)

Richards

var. *plantaginifolia*

/

*Antennaria plantaginifolia* (3)

10-48-20 May, 1973.

Page Co., Va. On rock shale  
at base of southeast flank of  
Massanutten Mts., near  
Kalkin's Furnace, ca  
8km. airline north of  
Shenandoah. Mixed pine-  
hardwood forest. Elev. 400m.  
Flowers lavender.

*Penstemon canescens* (Britt.) Britt.

Penstemon ②

10949-20 May, 1973. Page Co.,  
Va. Shale barren at base of  
southeast side of Massanutten  
Mt., near Katherine's Furnace,  
ca 8 km. airline north of  
Shenandoah. Mixed pine-hardwood  
forest. Elev. 400m. Flowers  
orange-yellow.

*Krigia virginica* (L.) Willd.

*Krigia virginica* ①

10950 - 29 May, 1923 Page Co.,  
Va. Shale layer, and lapping  
over auto limestone - - - I  
as in 10949.

Heads yellow. Rays mostly 8.

*Senecio antennariifolius* Brit.

*Senecio antennariifolius*, ③

10951 - 20 May, 1973. Page Co.,  
Va. Near west of Massanutten  
Mt., ca 7 km airline south  
of New Market. On limestone  
substrate in mixed pine-hard-  
wood woods. Elev. ca. 850 m.  
Shrub up to 3 or even 4 m. tall.  
Flowers white

*Aronia melanocarpa* (Michx.)  
Ell.

*Aronia melanocarpa* (2)

10952 - 21 May, 1973

Pocahontas Co., West Va.

Hemlock-hardwood forest on  
east slope between Bach  
Milestone Mt. and Greenbrier  
River, between Durbin and Cass.

Elev. ca. 850 m. Flowers  
violet-pink-purple.

*Polygala paucifolia* Willd.

"*Polygala paucifolia* ①"

10953 - 21 May, 1973.

Pocahontas Co., West Va.

Wet places near rivule +  
in hemlock-hardwood forest  
etc. etc. as in 10952. Sipals 5,  
white.

*Anemone lancifolia* Pursh

*Anemone lancifolia* (2)

10954 - 21 May, 1973

Pocahontas Co., West Va.

Moist law ground along  
small stream in  
hemlock-hardwood forest on  
shale substrate, ca 13 km.  
southwest of Huntersville.  
Elev. ca 700 m. Flowers  
pink-purple.

*Phlox stolonifera* Sims

*Phlox stolonifera* ②

10955 - 22 May, 1973.

Bath Co., Virginia

Under mixed pine-hardwood  
woodland at base of hill. 1 km.  
east of Middleboro Springs.

Elev. ca. 500 m.

Heads yellow.

*Hieracium traillii* Greene

*Hieracium traillii* (4) ✓

10956 - 22 May, 1973.

Bath Co., Va. lawn place  
to 10955.

Head yellow. Rays mostly  
ca 8, sometimes 13,

*Senecio antennariifolius* Britton

"

+ *Senecio antennariifolius*. ②

10957. 22 May, 1973.  
Bath Co., Va. Flume Cr., 10,000 ft.  
*F. laevigata*

*Draba ramosissima* Desv.

*Diplotaxis ramosissima* (3)

10958 - 22 May, 1973.

Bethel Co., Va. In mixed  
pine-hardwood woods on  
shale barren  $1\frac{1}{2}$  km. south of  
Millboro Springs, Va., ca.  
500 m. Flowers maroon, few  
nodding, blue toward the  
base, ochroleucous distally.

*Clematis viticella* Steele

Clematis' (3)

10959-23 May, 1973

Shenandoah Co., Va.

Shale barren with mixed pine  
and hardwood, ca. 8 km. due west  
south of Flaxboro, about  
southwest of Elizabeth  
Furnace. ~~Hill~~ Eleo. ca. 300  
m. Heads ca. 1 m. High  
mostly ca. 8.

*Senecio antennariifolius*

Britton

*Senecio antennariifolius* (3)

10960 - 8 June, 1973.

Clinton Co., N.Y.

Thin soil on flat-lying limestone outcrops in mixed deciduous-coniferous woods area, ca 6 km west of Scio. Elev.

102 m Sparingly branched shrubs 2-5 dm tall. Flowers white. Plants reaching 3 m in height in wetter, more favored sites nearby.

*Aronia melanocarpa* (Michx.) Ell.

*Aronia melanocarpa* (?)

10961-8 June, 1973.

~~Clinton Co., N.Y.~~ Clinton Co., N.Y.

Edges of woods in mixed  
deciduous-coniferous forest  
area, on limestone substrate,  
ca 6 km northwest of  
Lancaster, 100 m.  
Growing with #10963,  
*A. neglecta* var. *attenuata*  
(Fenzl) Chong, and #10962,  
the less common apparent  
intermediate.

*Antennaria neglecta* (L.)  
var. *neglecta*

*Antennaria neglecta* (L.)  
var. *neglecta* (D)

10962. 8 Jun. 1973.

Same place as 10961.

Growing with 10961, *A. neglecta* Greene var. *neglecta*, and 10963, *A. neglecta* var. *attenuata* (Fern.) Cronq., and combining their characters in different ways, but less common.

*Antennaria neglecta* Greene  
intermediate between  
var. *neglecta* and var.  
*attenuata* (Fern.) Cronq.

*A. neglecta* culm. : D 1

10963. 8 Jun. 1973. Same place  
as 10961. Growing with # 10961,  
*A. neglecta* Greene var. *neglecta*,  
and 10962; the less common  
apparently intermediate.

*Antennaria neglecta* var.  
attenuata (Fern.) 21019.

" *Antennaria neglecta* var. *attenuata* (4)

11 June, 1973 - Washington Co.,  
Me. #10964

In mixed spruce-fir balsam  
woods along the east shore of  
Whiting Bay, Crows Neck,  
Town of Forescott.  
Shrub ca 2 m tall.

*Amelanchier bartramiana*  
(Tausch) Roemer

*Amelanchier bartramiana* ③

10965 - 10 June, 1973.  
Washington Co., Me.

In mixed Spruce-fir -  
birch woods along the  
east shore of Whiting Bay,  
Crown Neck, Town of  
Trescott.

Plants without creeping  
rhizomes, scarcely tufted,  
producing only 1-3 culms  
together

*Poa saltu-nsis* Fern. + Wieg.

Poa (2)

~~KOT 66~~ - 9 May, 1974.  
Virginia, Page Co. Mixed hardwood  
forest in canyon above  
Catherine Furnace, East  
side of Massanutten Mts.

Topo: 5, white spruce; pink,  
11,

Anemone lancifolia Pursh

✓

Anemone lancifolia (3)

~~10977~~ to May, 1921.

Virginia. Rockingham-Greene  
County line. Abundant in  
mixed second-growth deciduous  
forest along the Appalachians.  
Trail, top of the Blue Ridge,  
ca 1 km. southwest of  
Spotswood Gap and 10 km.  
southeast of Elkhorn.

Elev. ca 800 m.

Plants abundant. Leaves  
glaucous beneath. Flowers  
apiculate.

611124

*Corydalis flavula* (Raf.) DC.

Corydalis (3)

6978 - 19 May, 1924,  
Clinton Co., New York.

In second growth mixed  
hemlock-hardwood and boreal  
forest in thin soil on  
flat-lying limestone, ca  
4 km northwest of Sciota  
and 35 km northwest of  
Rensselaer. ~~Alt.~~ Elev. ca 100 m.

Shrubs ca 2m tall with  
2-4(5) flowers in an upright  
raceme pinkish-white.

~~Fr~~ Three other spp.

(*A. laevis*, *A. canadensis*, *A. spicata*)  
and some hybrids in the vicinity.

Ovary-top tomentose

11125

*Amelanchier bartramiana* (Tausch)  
Roemer

*Amelanchier bartramiana* (?)

10979-20 May, 1974.

Cortland Co., New York.

Same place as 10978

Arborescent, crooked-trunked  
shrubs to 6 m. tall and 1 dm. dbh.  
Leaves with a prominent  
coppery-red cast. Flowers 10-15-10  
in loosely erect racemes. Petals  
white. Anthers glabrous.

Those other spp. (*A. bartramiana*,  
*A. canadensis*, *A. speciosa*)  
and some hybrids in the vicinity

*Amelanchier laevis* Wieg.

(Amelanchier laevis '3)

10980-20 May, 1974.  
~~Amelanchier~~ Clinton Co., NY.

same place as 10978 <sup>11125</sup>

2 shrubs 3-4 m tall. Flowers  
4-8 in loosely erect racemes,  
with raceme continuing  
inside insertion of the first of  
the twigs. Petals white. Ovary  
glabrous with a minute  
Three other spp. (*A. bartram-  
iana*, *A. laevis*, *A. spicata*)  
and some hybrids will be vicinity.

11127

*Amelanchier canadensis* (L.) Medic.

✓

*Amelanchier canadensis* (?)

10981-20 May, 1974

Clyton Co., NY.

Same place as 10973 11125

Shrub 1.5-2 m tall. Flowers  
(4) 5-10 in loosely cyme  
spikes or ciliae, i.e., hang-  
ing racemes, the axis of the  
raceme appearing naked, but  
actually soft and rough.  
Petals white. Ovary terminal  
on the raceme.

11128

*Amelanchier spicata* (Lam.) K. Koch

✓

*Amelanchier spicata* (3)

10982-24 ~~Aug~~ 1881.

June

in soil on granite ridge  
dry, grassy valley-side  
between mts. 16 ca. 135  
km. north of Chichén and  
22 km. south of El Eden  
Chic. ca. 20 m.

Stems ~~several~~ several  
green, arising from  
at two together from a  
bit of earth common at each  
plant ca. 1 dm. thick. Flowers  
unusual, with three stamens  
each 25, light pink. Stems  
of the whole plant 1 dm.  
high. Ovary trigonous  
with separate lobes.

III/21

✓

Jatropha macrophylla Benth.

111

Crassidens? n.

10983 - 30 June, 1974. Medio, Mexico.  
In moist soil on south slope  
of volcanic ridge south of

Medio city, ca 20 km. west  
west of Cuautla. Elev. ca 1300  
m.

Stems 1- several branched, stout,  
stout, coarsely fibrous.  
caudex-like rhizome. Leaves stiff  
coarse, not glaucous. Heads  
yellow. ~~dark~~ green  
bracts ca. 13. Rays mostly 3,  
ca 2.5-3.5 cm long.

E7.85

Fl. 10 (10)

~~Stevia lucida~~  
~~Stevia lucida~~  
Stevia lucida L. (Santacruza)  
32  
in 15' of tall grass  
in open fields  
in the sun  
Leaves with pointed  
tips  
in 15' of tall  
grass in open fields  
in the sun  
subsp. praeceps Stev. subsp.  
petiolaris.

Stevia lucida Lag.  
(K.D.'75)

flwr'd

~~10935~~ July 1974. Oaxaca,  
Mexico. Same place as 10934.  
~~St.~~ Shrub 1.5-2 m. tall, seen  
only on the highway cliff-side  
where not subject to grazing.  
Heads yellow. Rays 5.

III 3 a.

Coreopsis mutica DC.

EB '75

✓

Bidens mutica ④

~~1936~~ 1 Dec. 1936

Oaxaca, Mexico

Volcanic slopes in  
semi desert scrubby vegetation  
about about 32 hours thence.  
Ap. Huajapan de Leon, near the  
Zihuatanejo village, 1000-meters  
highway. slender, freely branching  
stems 1-2 m. tall,  
leaves yellow, with meeting 8  
veins. Hgt. ca. 2500 m.

III. 22

Perymenium mendezii DC. var. mendezii  
(KB 95) ✓

Flowers G

~~1098~~ 2 July, 1974,  
Altiplano Mexicano. In open deciduous  
subtropical forest, ~~near~~  
verging to thorn scrub,  
ca 70 km southeast of  
Cerro Prieto and 10 km northeast  
of Totolapan.

Elev. ca 1200 m.  
Slender, many stemmed  
soft shrubs 2.5-3 m. tall.  
Heads yellow, with ca (8) 13  
rays.

11144

Perymenium mendezii DC. var. verbesinoides  
(DC.) Fay >> var. mendezii  
<sup>FC 25</sup>  
varying toward

8446.1

Perymenium (8)

+----- July 2, 1970  
Site: A small hill on a plain  
area with no open  
submontane deciduous forest  
and grassy areas.  
Altitude about 7000 m.  
Soil: Brown and yellow  
~~soil~~ material of  
Till.

Flora: ca 1300 m.

Plants annual, *Florestina latifolia*,  
*Trifolium pratense*,  
*Agrostis capillaris*.

111415

*Florestina latifolia* (DC.) Röhl.  
(KB 75)

*aff. fasciculata* (DC.) Röhl.

~~1945~~ Jan 1946

Oaxaca, Mexico. In open pine oak woodland in limestone alluvium  
at 1000 ft. elev.

Height up to 107 cm.,  
of Tephritis-type and found in  
southeast of Oaxaca.

Elevation ca 1200 m.,

Plants sub-shrubby, but  
with very short stems.

Leaves opposite,  
ovoid, deeply lobed,  
mostly 3-dichotomous

Habit

*Bidens pilosa* L.

11.

Bid. (3)

~~1900~~ May 10  
Purulia, India.

In open thorn scrub  
at 1600 m. elevation.  
West 1.5 km. ~~south~~ of  
Burdwan, 70; m. ~~Himalaya~~  
10 km. west of Purulia.  
10

in ca 1600 m.  
25-30 cm. tall, a many-stemmed  
shrub 1.5-2.5 m. tall, twigs  
green or greyish-green, age  
less than a year.

III-17

Pergmenium mendotae DC. var. angustifolium  
(Burm. f.) Fay  
1900

Pergmenium

To 994 5 July, 1934  
Medico. In moist,  
lichen-covered soil  
ca 32 cm from base  
Tobacco and 64 cm from  
center Zitacure.  
Elev. ca. 2400 m.

Broad green leaf  
darker along midrib  
orange red. Leaf right  
folded with straight fold  
margin.

324  
22<sup>nd</sup> Castilleja (3)

~~Hedysarum~~ 6 Oct. 1948

6 miles S.

Sierra Blanca,

Elev. ca. 1700

W. side of mtn.

Leaves opposite,  
Rays pistillate  
and apparently pistil. lobes  
divergent, awning  
above awl-like that is acute,  
leaves green, leaves  
interrupting a  
sort. binding, hairy.

11/14/48

*Lasianthaea ceanothifolia*

(Willd.) K. Becker

var. *ceanothifolia*

✓

~~1000~~ - 6 feet 1974

Distinctive - . . . . .

piceo-olive green 13 mm  
west of Peténano Mts.  
Altitude . . . . .

Elev. ca 2000 m.

Fruit green

ghostly pale greenings

Rays ~~white~~ white

inflorescences white

Dehiscence Young with  
#12974

11150

*Astranthium condimentum* De Jong

KOTZ

- 1.7

Acme 10

— 6 fm.  
W. base of slope  
planted 1993.  
Plants slender, unexpanded  
Flowers pale blue. — E. C.  
and pink, very numerous  
(ca. 250).  
Matching with #10993

1151

*Erigeron affinis* DC.

100

← 1993. ~~7~~ ⑨

~~10995~~ 11, 10, 12

Mexico. In the sun. sand  
overlooking the west side  
Lake Chapala, ca ~~1800~~ m.

below south-southwest  
Guanajuato. Ele. ca 1500

Stems 1-1.5 m. tall, branched, 8 mm.  
tall, hairless, hairs (5) 6-8,  
persistent and flexible. Pappus of  
strenuous coarse bristles the  
marginal ones 2-3 mm., on  
a ~~thin~~ somewhat thickish  
ridge of the stem, the others  
achene, plus one or two  
more, less dense, on  
the ridge, with the margins  
of the achenes.

and 7-8 mm. San Luis Potosí.

Soyatlan

1115 m

*Perymenium mendezii* DC. var. verbesinoides  
(DC.) Fay > var. mendezii

*Perymenium* L.

10996 + 10997  
~~same~~ flower, different

Same species as 1099  
Sparsely pubescent, sparsely  
ca 2 mm tall. Stems  
flexuous, slender.  
8 rays. Rays pistillate  
sterile. Fls  
Illustrated excau with  
det. Becker

13

*Wedelia acapulcensis* H.B.K.  
det. K. Becker

Virginia (?)

1099F - 8 Feb., 1934.  
Jalisco, Mexico. In oak-juniper  
woodland along the road from  
Guadalajara to Zacatecas, in a 30-40  
km. north of Guadalajara.  
Stems ~~up to~~ ~~1 m.~~ (or sometimes solitary) for a  
decmetre, fibrous-rooted.  
Head yellow, rays white,  
often irregularly spreading.  
A short compound raceme  
bearing white subulae.  
The main ligule prolonged into a  
firm rostrum. Siliques  
spurred. Corolla tube  
sparsely sp. and hairy.

Verbesina parviflora (HBK.) Blake

108 '77

108 '77 ⑪ ✓

Rio Grande from the west to the  
edge of open pine forest  
the upper Sonoran life zone.

33

about 1000 ft. above sea level  
and 1000 ft. below the

edge of the Pineda.

Stand on hill slope with  
openings in the trees.

with light illumination, the  
trees are all dead.

Heads yellowish.

soil poor, light, friable  
and fertile, with loamy grits  
and black mud.

Flowers appear, probably  
in the fall, and are  
yellowish and shorter than  
the leaves.

Perymenium buphtalmoides DC. var. tenellum  
(A. Gray) McVaugh

KIB 75

~~1099~~ 9 July. 1911. Dens. of  
Mallco. Same place as 1099.  
~~Blanchard~~ Specimen collected  
September 10, 1911.  
Hancock Co.

Pappus of several fragrant  
the flowers in bud. All the  
the others.

11157

*Perymenium mendezii* DC. var. mendezii

1975

10124.7

*Perymenium* ✓ ✓

Sp. No. 9 July, 1934.

Specimen No. 10

In pine woods on shaleitic  
soil along the foot of  
the Sierra Madre, edge of  
127, west of Durango,  
and 19 km. northeast of  
La Ciudad.

Specimen No. 11

In pine glen, below  
11. Sept 13,

Senecio talocranus DC.

No. 12

~~1907~~ July 19.

Sierra de Moctezuma, N.L.

Stems several, slender,  
yellowish-green, with pink  
floral region on the west  
slope of the Sierra Madre  
Occidental, near  
Revolcaderos (188 km west  
of Durango, Moctezuma  
highway) and 21 km  
from east-northeast of  
Moctezuma.

Stems ca 200 cm. tall, up to 6  
in. tall, sometimes 2 m. and  
down to 1 m. or 3 dm. and  
larger in the desert. Lvs. 1-4",  
yellow with a small orange  
spot at the base.

*Viguiera latibracteata* (Hemsl.) Blake

no. 75

*Viguiera* (?)

~~Hood River~~ 1900' Co.,  
Calif.

In rather fine soil, shp. like  
pines near timberline (*Pinus*  
*flexilis*) - like head of  
Zion's Mts. 1000 ft. from timberline  
Mts. Zion Co. 3800 m.

Plants forming loose, open  
mat in the gravelly talus.  
Leaves 4-lobed, dirty  
achlorophyllous.

11/12

1

*Galium multiflorum* Kell., sens. lat.  
(*G. hypotrichum* A. Gray)

1

*Galium multiflorum*. ⑥

~~Hill~~ → 13 July, 1974.

Linn Co.

Fernow's prairie

*Arabis platysperma* A. Gray

✓

✓

Perry's D

1116 2 - 11 August, 1974

Livingston Co., New York.

Clearings in second-growth  
mixed deciduous-hardwood and  
northern coniferous forest,  
on a limestone substrate,  
ca. 4 km. northwest of Locata  
and 35 km. northeast of  
Plattsburgh. elev. ca. 100 m.  
Stem solitary from a short  
rhizome. Heads yellow

*Hieracium scabrum* Michx.

/

✓

*Hieracium scabrum* Michx.

11163 - 11 August, 1974

Clinton Co., New York.

Openings and side slopes, mainly  
in calcareous talus, among  
hemlock, beech, and northern  
coniferous forested areas,  
west bank of Seneca, and 35 km  
northeast of Rochester.

Elev. ca. 100 m.

On a limestone substrate

It is solitary. Lip with a  
broad, ill-defined white!  
~~black~~ green stripe; the flowers  
otherwise white. Ease 1 or  
1 or 2.

*Spiranthes gracilis* (Pursh) Beck.

✓

Specimen thus qualified (1)

11164 - 11 August, 1934

Clinton Co., New York. Around  
the edge of a pond-savamp in  
second growth mixed  
hemlock beechwood on  
northern exposures to west,  
on a limestone bedrock  
ca 4 km. S of Utica, Sciota  
and 35 km. northeast of  
Pittsford, N.Y. ca. 100 m.  
Stems 1.5-3 m. tall. leaves  
pinnatifid. Fruit red with  
a slight purplish cast; flesh  
not impalatable, with  
mostly 4 stones.

1 Aug. 1934 - 11164 (L.) Trelawny

*L. glauca* mucronata

11165 11 August, 1974.  
Clinton Co., New York.

Edge of swamp in second  
growth mixed hemlock-hard-  
wood and northern coniferous  
forest, on limestone substrate  
ca 4 km. northwest of  
Lewiston and 35 km. northwest  
of Plattsburgh. Elev. ca. 100 m.  
Shrub 5-15 dm. tall. Leaves  
somewhat pale beneath.  
Flowers white or faintly  
pinkish.

*Spiraea latifolia* (Ait.) Borkh.



*Spiraea* ②

67820 - W.P.

68197 - Woodstock-s. Edinburg

68335 - Monterey, Va.

68381.2 Cass

68475. - WS Spgs

68631.6 - Harrisonburg

69067.7 W.P.

11166 - 11 August, 1974. Clinton Co.,  
N.Y.; In open second-growth  
mixed hemlock-hardwood and  
northern coniferous forest, on a  
limestone substrate, ca 4 km.  
northwest of Scio and 35 km.  
northwest of Plattsburg. Elev.  
ca 100 m. Heads yellow.

*Hieracium canadense* Michx.  
var. *canadense*.

*Hieracium c.*

(3)

tolls -

Henry Hudson 50 -

Return

Pa. Pike 2.65

N.J. Pike 1.65

Bridge tolls

H. Hudson 50

**MADE IN JAPAN**